

CLAIMS

1. A plastics film filled with a filler and having diffuse reflective properties, the film bearing a coating which contains a photosensitive organic compound.

5 2. A film as claimed in claim 1, wherein the photosensitive organic compound is a photochromic compound.

3. A film as claimed in claim 2, wherein the photochromic compound is a fulgide or diarylethene.

10 4. A film as claimed in any of claims 1 to 3, wherein the photosensitive organic compound is dispersed at molecular level in a coating of a polymer which is compatible with the compound but does not react with it nor cause it to crystallise nor substantially absorb light of wavelengths to which the photosensitive compound is 15 sensitive.

5. A film as claimed in claim 4, wherein the polymer is polystyrene.

20 6. A film as claimed in any of claims 1 to 5, which bears the coating containing a photosensitive organic compound on one side and is metallised on its reverse side.

7. A film as claimed in any of claims 1 to 6, wherein the filler is a white pigment.

25 8. A film as claimed in any of claims 1 to 7, which has a diffuse reflectivity of at least 85% and a specular reflectivity of no more than 3%, based on the reflectivity of a standard barium sulphate plate.

9. A film as claimed in any of claims 1 to 8, containing from 0.5 to 2% by weight based on the coating of

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a non-photosensitive, light-absorbing compound.

10. An information storage device which comprises in combination a film according to any of claims 1 to 9 and a perforated mask disposed on the coating-bearing side of the film.

11. An information storage device as claimed in claim 10, wherein the mask is perforated with holes of diameter 1 to 5mm and has a thickness of 0.5 to 2.5 times the diameter of the holes.

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